Ernitec Hydra EX series

- Enterprise VMS
- Over 2000 Native Cameras Drivers
- Intel 4th Gen i7 CPU
- Stackable Expansion Solution
- Built In Video Analytics
- License Plate Recognition Upgrade
- Multi-Streaming
- Plug & Play
- Windows WES7
- Expandable
- Built in PSU
- 3 year Warranty

Hydra EX series

Hydra EX is the new multi streaming NVR from Ernitec, we have combined our class leading Enterprise software with an embedded all on one box solution that has all of the benefits of a plug n play NVRs with none of the drawbacks.

Built in Video Analytics

Hydra EX has been made with a faster CPU to take the load of VCA channels and the VCA software is already on board, all you need to do is activate the licence to add the amount of Video analytic channels you want on your Hydra EX .

Multi-Streaming

This extremely important feature enables the Hydra to record in high resolution and stream multi-screen images to the local monitors, the multi streaming enables a second or even third stream resolution choices to the programmer meaning the load to the local monitor is reduced enabling more streams to be viewed.

Real VMS on Board

Unlike other units in class our NVR has VMS software that you can actually use. Offering a host of features we have all come to expect from our video systems over the years.

Licence Plate Recognition

Because the Hydra EX has been made with a faster CPU we can also add license or number plate recognition to the platform making this the most flexible plug and play NVR on the market today. This software needs to be loaded but once set up seamlessly integrates to the on board EasyVew VMA platform.

Huge Camera Integration List

The Hydra, can integrate with over 2000 camera with native SDK integration offering the full features of the cameras not just the normal OnVif integration. Of course you can use OnVif cameras opening up to almost limitless choice of camera integration

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EasyView

Intuitive and easy to use EasyVeiw application for local or remote monitoring, searching, playback and export of video content for external analysis.

Huge Camera Integration List

The Hydra series, can integrate with over 2000 camera with native SDK integration offering the full features of the cameras not just the normal OnVif

Panasonic
AXIS COMMUNICATIONS
JVC
ernitec
ACTi Connecting Vision
AVIGILON
MOBOTIX
ONVIF
SANYO
SONY
HIKVISION
Arecont Vision
VIVOTEK
PELCO
BOSCH Security Systems
BASLER VISION TECHNOLOGIES
SAMSUNG SAMSUNG TECHWIN
IQinVision

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Hydra Features

Powerful Multi-Streaming

With the power of multi streaming we have a world beating recorder offering viewing and recording all from the same unit, we can offer full HD recording with HD streams for the local and remote clients and D1 resolution to you mobile device. Sensibly dividing the streaming between devices massively reduces the load on the system and give outstanding figures.

High performance live data base

The Hydra series runs with a full data base making this recorder one of the fastest on the planet, you can instantly retrieve video though the whole recording period, making fast retrieval and seamless high speed playback and rewind possible. This gives the user a true video recorder feel to the unit and massively increases the time to find incidents.

SDD Secure Data Distribution

Each Hydra comes with a disc for storage, with the addition of an extra disc you can secure your video data using the unique SDD feature. The Ernitec SDD technology distributes video frames evenly between disks. A single drive failure would thus only decrease the frames on a video clip and not leave any large blank areas during the storage interval. For forensic research a well-placed, good resolution camera gives practically the same success rate with a low frame rate as a video with a higher frame rate – meaning that the risk of not being able to analyse an event due to a failed hard disk becomes close to zero.

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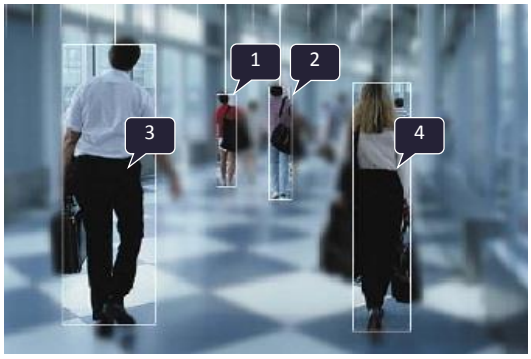
Video analytics software

Airports, bus and train stations, bars and clubs, car parks, retails stores and shopping malls, museums and tourist attractions, sports stadia and leisure facilities - just some of the environments where video analytics can offer a cost effective, robust and highly accurate solution.



People COUNT software

VCA Count license for 1 camera. An addition to the VCA license, offering the upgrade to people counting engine in the VCA platform.

Partno: 0063-99989

ANPR+ software

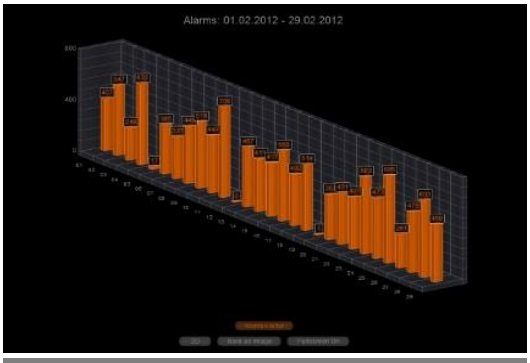
Automatic number plate recognition for 4 channels, incl. Engine, Black- & White list management application.

Partno: 0063-99987

Video Content Analytics

VCA single channel license offering VCA to any analog or IP camera connected to the EVR VMS. Includes Trip wire, Direction filter, Removed object detection, Human & vehicle detection, Speed filter and Abandoned object functions. Unique easy to use 3D calibration, enter and exit filters.

Partno: 0063-99988



Reporting Tools

Software data mining tool for system administrators and retail users to analyse data from the CCTV server (XMC). The tool can be used to obtain information from VCA, people counting and ANPR systems within the server providing more detailed feed back to the system user.

Partno: 0063-99990

The Hydra EVR Pro Plus license need to be upgraded to EVR Enterprise channels

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Hydra Features

Stackable NVR Expansion Solution

When designing a CCTV system you try to cover all angles and offer the best solution to a customer, however more often than not when a customer sees the quality of the megapixel cameras that have been installed customers will come back and ask for more cameras. If you have purchased a Linux box NVR solution this means you have add a whole new unit just for maybe one of two more cameras. This is not the case with the Hydra, if you want to upgrade you simply add the extra licenses you want to increase the number of cameras you want. If you want to expand over 32 cameras then we can add another Hydra to your system to offer a stackable NVR solution and this can increase you system to unlimited numbers of cameras. You can also spread these management connected Hydras over massive networks across large networks and even worldwide, the limits are just your imagination.

Hydra EX Upgrades & Extension Part Numbers

ENTERPRISE CHANNEL

Hydra Enterprise single channel license 10 users, 5 Hydras.

expansion max 32 channels.

Partno: 0063-99999

VIDEO ANALYCTICS CHANNEL

VCA Surveillance License, enterprise license required to run Video Analytics.

Partno: 0063-99988

MASTER HYDRA EXTENSION

Master server license for additional Hydras from 6 to 20 and 20 users for EVR Enterprise. Active directory integration.

Partno: 0063-99995

HYDRA EXTENSION

Master Hydra extension license for additional 10 Hydras on top of 0063-99995 use this part number to increase in steps of 10

Part no: 0063-99994

USER EXTENSION

License for additional 10 users in VMS Pro and VMS Enterprise.

Partno: 0063-99993

ANPR Base License

4 Channel ANPR Base License Enterprise license required to run ANPR

Partno: 0063-99987

ANPR 1 Channel Extension

1 Channel ANPR channel expansion License required to run extra ANPR channels.

Partno: 0063-99986

REPORTING TOOL

Data mining tool for system administrators Enterprise license required to run Reporting Tool

Partno: 0063-99990

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Additional Parts For Hydra Series

Hard Drive Selection

We have a wide range of hard drives to go wih your Hydra. This enables you to select the storage you want for your project requirments. All hard drives are Enterprice performance rated which are optimized for 24/7 sursurvaliance use.

ERNITEC Advance Replacement Drives

When you purchase hard drives from Ernitec we offer you a next day advance replacement hard drive service, just contact the returns department and give them the serial number or invoice number and we will ship you a new hard drive in advance of the returned the faulty unit.

Drive Options	
SATA Drives	
HDD-1000GB	1 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-2000GB	2 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-3000GB	3 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-4000GB	4 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-6000GB	6 Terabit 24/7 HDD SATA industrial 7200rpm
SAS Drives	
HDD-1000GB-SAS	1 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-2000GB-SAS	2 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-3000GB-SAS	3 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-4000GB-SAS	4 Terabit 24/7 HDD SAS, 7200rpm optimized for speed
HDD-6000GB-SAS	6 Terabit 24/7 HDD SAS, 7200rpm optimized for speed

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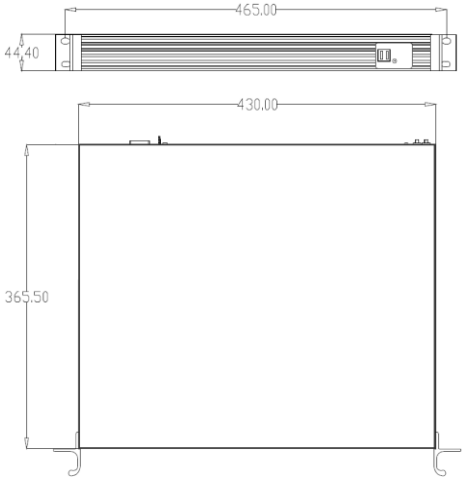
Technical Specification Hydra EX5

System	
Form factor	1U Rack/ Desktop
CPU	Intel i7
System memory	8 GB
Storage[1]	Empty fit (up to 12TB)
Recording frame rate at resolution 1280 x 720	Up to 1200/sec in H.264
Number of camera input[1]	5
Operating System	WES7
Video Management System	Ernitec EasyView Enterprise
Solid State Drive	60GB for OS and VMS software
System rear I/O	2x GbE RJ45 2x USB 3.0 2x USB 2.0 2x COM ports 1x Display Port 1x HDMI 1x DVI-I 1x Line-out / MIC-in / Line-in
front I/O	2x USB 2.0
Dual network card	Yes
Dual Monitor output[2]	Yes
Automatic camera finder[3]	Yes
Edge storage synch camera support[3]	Yes
Multi-streaming camera support	Yes
Multiple video export formats	Yes
Alarm Management	Yes
3rd-party camera support	Yes
Onvif supported cameras	Yes
PTZ camera support	Yes
Codecs supported	H.264, MPEG-4 , MJPEG
Maximum number of users[4]	10
Maximum number of servers[4]	5
EVR VCA support	License option
EVR ANPR+	License option
App for smartphones/ tablets	ERV GO for IOS/ android

General	
Unit Dimension (W x H x D)	465 x 44,4 x 365,5mm (1U 19")
Unit Weight (without storage)	11.0 kg
Package Dimension (W x H x D)	505x 145,5 x 620mm
Package Weight	12.0 kg
Operation temperature	+5°C to +40°C
Operation humidity	10% to 90%
Power requirements	100V -240V AC/50-60Hz/300W
Power unit	Internal PSU
Languages	Arabic, Danish, Dutch, English, Estonian, Finnish, French, German, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russia, Spanish, Swedish
warranty	3 years
Included accessories	Quick guide, User Manual, Mouse, Schuko Power Cable, UK power Cable, Rear Rack Mount Kit
Part Number	0064-02005



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1. Two hard drive slots, fit your own storage.
2. Using different cables can cause small differences on monitor images
3. Camera dependent
4. Upgrade option possible

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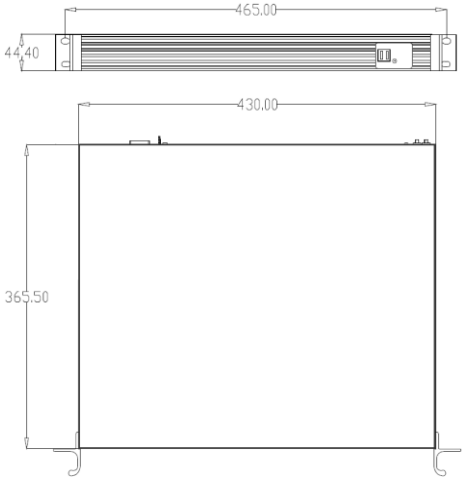
Technical Specification Hydra EX10

System	
Form factor	1U Rack/ Desktop
CPU	Intel i7
System memory	8 GB
Storage[1]	Empty fit (up to 12TB)
Recording frame rate at resolution 1280 x 720	Up to 1200/sec in H.264
Number of camera input[1]	10
Operating System	WES7
Video Management System	Ernitec EasyView Enterprise
Solid State Drive	60GB for OS and VMS software
System rear I/O	2x GbE RJ45 2x USB 3.0 2x USB 2.0 2x COM ports 1x Display Port 1x HDMI 1x DVI-I 1x Line-out / MIC-in / Line-in
front I/O	2x USB 2.0
Dual network card	Yes
Dual Monitor output[2]	Yes
Automatic camera finder[3]	Yes
Edge storage synch camera support[3]	Yes
Multi-streaming camera support	Yes
Multiple video export formats	Yes
Alarm Management	Yes
3rd-party camera support	Yes
Onvif supported cameras	Yes
PTZ camera support	Yes
Codecs supported	H.264, MPEG-4 , MJPEG
Maximum number of users[4]	10
Maximum number of servers[4]	5
EVR VCA support	License option
EVR ANPR+	License option
App for smartphones/ tablets	ERV GO for IOS/ android

General	
Unit Dimension (W x H x D)	465 x 44,4 x 365,5mm (1U 19")
Unit Weight (without storage)	11.0 kg
Package Dimension (W x H x D)	505x 145,5 x 620mm
Package Weight	12.0 kg
Operation temperature	+5°C to +40°C
Operation humidity	10% to 90%
Power requirements	100V -240V AC/50-60Hz/300W
Power unit	Internal PSU
Languages	Arabic, Danish, Dutch, English, Estonian, Finnish, French, German, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russia, Spanish, Swedish
warranty	3 years
Included accessories	Quick guide, User Manual, Mouse, Schuko Power Cable, UK power Cable, Rear Rack Mount Kit
Part Number	0064-02010



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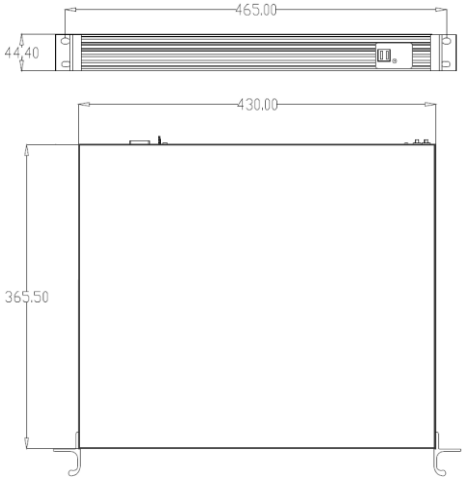
Technical Specification Hydra EX20

System	
Form factor	1U Rack/ Desktop
CPU	Intel i7
System memory	8 GB
Storage[1]	Empty fit (up to 12TB)
Recording frame rate at resolution 1280 x 720	Up to 1200/sec in H.264
Number of camera input[1]	20
Operating System	WES7
Video Management System	Ernitec EasyView Enterprise
Solid State Drive	60GB for OS and VMS software
System rear I/O	2x GbE RJ45 2x USB 3.0 2x USB 2.0 2x COM ports 1x Display Port 1x HDMI 1x DVI-I 1x Line-out / MIC-in / Line-in
front I/O	2x USB 2.0
Dual network card	Yes
Dual Monitor output[2]	Yes
Automatic camera finder[3]	Yes
Edge storage synch camera support[3]	Yes
Multi-streaming camera support	Yes
Multiple video export formats	Yes
Alarm Management	Yes
3rd-party camera support	Yes
Onvif supported cameras	Yes
PTZ camera support	Yes
Codecs supported	H.264, MPEG-4 , MJPEG
Maximum number of users[4]	10
Maximum number of servers[4]	5
EVR VCA support	License option
EVR ANPR+	License option
App for smartphones/ tablets	ERV GO for IOS/ android

General	
Unit Dimension (W x H x D)	465 x 44,4 x 365,5mm (1U 19")
Unit Weight (without storage)	11.0 kg
Package Dimension (W x H x D)	505x 145,5 x 620mm
Package Weight	12.0 kg
Operation temperature	+5°C to +40°C
Operation humidity	10% to 90%
Power requirements	100V -240V AC/50-60Hz/300W
Power unit	Internal PSU
Languages	Arabic, Danish, Dutch, English, Estonian, Finnish, French, German, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russia, Spanish, Swedish
warranty	3 years
Included accessories	Quick guide, User Manual, Mouse, Schuko Power Cable, UK power Cable, Rear Rack Mount Kit
Part Number	0064-02020



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